

In re Application of:
Worley et al.
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COMPLETE LISTING OF THE CLAIMS

After entry of the present preliminary amendment, the claims will stand as follows:

62. (Currently amended) The isolated nucleic acid of claim [6] 71, wherein the isolated nucleic acid is expressed in response to seizure or ischemia.

63. (Currently amended) The isolated nucleic acid of claim [5] 70, wherein the nucleic acid sequence is at least 85 percent identical to said sequence set forth in SEQ ID NO: 26.

64. (Currently amended) The isolated nucleic acid of claim [45] 63, wherein said isolated nucleic acid is expressed at elevated levels within one and one half hour following seizure or global ischemia.

65. (Previously added) An isolated nucleic acid sequence encoding an amino acid sequence of SEQ ID NO: 27.

66. (New) An isolated nucleic acid sequence comprising at least 12 bases in length, and hybridizing to the sense or antisense strand of a second nucleic acid under moderately stringent or highly stringent hybridization conditions, said second nucleic acid having a sequence as set forth in SEQ ID NO: 26.

67. (New) The isolated nucleic acid of claim 66, wherein said hybridization conditions are moderately stringent hybridization conditions, wherein said hybridization conditions include 1-15 ng/mL of isolated nucleic acid probe hybridizing to said second nucleic acid bound to a nitrocellulose filter, hybridization in 25 mM KPO₄ (pH 7.4), 5X SSC, 5X Denhart's solution, 50

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μg/mL denatured sonicated salmon sperm DNA, 50% formamide, 10% Dextran sulfate at 42°C, with washes at 50°C in 2X SSC and 0.1% SDS.

68. (New) The isolated nucleic acid of claim 66, wherein said hybridization conditions are highly stringent hybridization conditions, wherein said hybridization conditions include 1-15 ng/mL of isolated nucleic acid probe hybridizing to said second nucleic acid bound to a nitrocellulose filter, hybridization in 25 mM KPO₄ (pH 7.4), 5X SSC, 5X Denhart's solution, 50 μg/mL denatured sonicated salmon sperm DNA, 50% formamide, 10% Dextran sulfate at 42°C, with washes at 50°C in 2X SSC and 0.1% SDS.

69. (New) An isolated nucleic acid sequence that encodes an amino acid sequence at least five amino acids in length, said amino acid sequence comprising at least three different amino acid residues, and being identical to a contiguous portion of sequence set forth in SEQ ID NO: 27.

70. (New) An isolated nucleic acid sequence with at least 60 percent identity to the sequence set forth in SEQ ID NO: 26 and expressed in response to seizure or ischemia.

71. (New) An isolated nucleic acid sequence that encodes an amino acid sequence at least 60 percent identical to the sequence set forth in SEQ ID NO: 27.

72. (New) An isolated nucleic acid sequence as set forth in SEQ ID NO: 26.